

Mehmood Ahmed

Director MACS,(Const Of Primary Unit-01 at Garhi Ikhtiyra Khan,Rahim Yar Khan)

Test Performed By: Dr./Engr. Asad Ali Gillani

Client Reference: Nil

Dated: 30-06-2022

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab 584 (Page-

Ref: 1/1)

Dated: 30-06-2022

ASTM-A-615

Deformed Bar (Amreli Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.643	8	0.995	0.79	0.777	26.81	33.97	74850	76100	94820	96410	1.20	8.0	15.0	
2	2.639	8	0.994	0.79	0.776	26.73	33.74	74620	75960	94200	95900	1.10	8.0	13.8	
3	1.650	6	0.786	0.44	0.485	16.02	20.23	80320	72870	101420	92010	1.30	8.0	16.3	
4	1.572	6	0.767	0.44	0.462	16.74	20.25	83900	79900	101530	96690	1.10	8.0	13.8	
5	0.603	4	0.475	0.20	0.177	6.34	8.02	69920	79010	88470	99960	1.00	8.0	12.5	
6	0.607	4	0.476	0.20	0.178	6.49	8.21	71610	80460	90490	101670	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Taslim Alam

Test Performed By: Dr. /Engr. Asad Ali Gillani

RE Nespak Zeroline Bridge, Kartarpur. (Const Of Bridge At Zeroline Kartarpur Sb Corridor)

Client Reference: SA-472/021/TA/01/042

SOM Lab 585 (Page-  
Ref: 1/1)

Dated: 30-06-2022

Dated: 30-06-2022

Test: Tension Test &amp; Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.626	8	0.991	0.79	0.772	24.41	33.35	68160	69750	93120	95290	1.50	8.0	18.8	
2	2.616	8	0.990	0.79	0.769	23.39	33.13	65310	67100	92490	95020	1.40	8.0	17.5	
3	1.539	6	0.759	0.44	0.452	13.43	19.59	67290	65510	98210	95600	1.10	8.0	13.8	
4	1.477	6	0.743	0.44	0.434	13.53	19.29	67810	68740	96670	98010	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	5.83	8.28	64300	65950	91280	93620	1.50	8.0	18.8	
6	0.655	4	0.494	0.20	0.192	5.73	8.28	63180	65810	91280	95080	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Hassan Munir

Test Performed By: Dr. /Engr. Asad Ali Gillani

CM Zameen Aurum,(Construction Of Zameen Aurum at Plot No.15 Block L,Gulberg-III Lahore)

Client Reference: ZD/ZA/STR026

SOM Lab 586 (Page-1/1)

Dated: 28-06-2022

Dated: 30-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.501	6	0.749	0.44	0.441	12.84	18.11	64380	64240	90800	90590	1.00	8.0	12.5	
2	1.492	6	0.747	0.44	0.438	12.44	17.81	62340	62620	89260	89670	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	6.01	8.33	66320	67330	91840	93240	1.00	8.0	12.5	
4	0.656	4	0.496	0.20	0.193	5.66	8.00	62390	64650	88240	91440	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. M Abbas

Test Performed By: Dr. /Engr. Asad Ali Gillani

RE City Survey & Engg Consultants.(Green View Executive Apartments Phase-V)

Client Reference: GVA/RE/09/22

SOM Lab 587 (Page-1/1)  
Ref:

Dated: 29-06-2022

Dated: 30-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.648	8	0.995	0.79	0.778	27.01	33.76	75420	76580	94250	95710	1.60	8.0	20.0	
2	2.600	8	0.986	0.79	0.764	27.01	33.33	75420	77980	93060	96230	1.30	8.0	16.3	
3	1.479	6	0.744	0.44	0.435	15.62	19.39	78280	79180	97180	98300	1.30	8.0	16.3	
4	1.508	6	0.751	0.44	0.443	15.92	19.78	79810	79270	99130	98450	1.40	8.0	17.5	
5	0.649	4	0.493	0.20	0.191	7.14	8.84	78690	82400	97460	102050	1.00	8.0	12.5	
6	0.649	4	0.493	0.20	0.191	6.85	8.63	75540	79100	95210	99700	0.90	8.0	11.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Waqas Ali  
Variant Gulberg 2, Lahore.

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: VA/29/19

SOM Lab 588 (Page-1/1)

Dated: 30-06-2022

Dated: 30-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.651	8	0.996	0.79	0.779	23.34	33.97	65170	66090	94820	96160	0.90	8.0	11.3	
2	2.650	8	0.996	0.79	0.779	23.50	34.15	65600	66520	95340	96680	1.10	8.0	13.8	
3	1.483	6	0.745	0.44	0.436	15.24	20.71	76390	77090	103830	104780	1.20	8.0	15.0	
4	1.468	6	0.741	0.44	0.431	15.19	20.56	76130	77720	103060	105210	1.20	8.0	15.0	
5	0.657	4	0.496	0.20	0.193	5.83	8.56	64300	66630	94420	97850	1.00	8.0	12.5	
6	0.656	4	0.496	0.20	0.193	5.81	8.43	64080	66400	92960	96340	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr Mohammad Ali

**Test Performed By:** Dr. /Engr. Asad Ali Gillani

RE EA Consulting (Pvt) Ltd.(Development Of Housing Scheme At Kuchlak Rd-Quetta)

**Client Reference:** EA/RE/PHA-F/2022/185

**SOM Lab** 589 (Page-

**Ref:** 1/1)

**Dated:** 13-06-2022

**Dated:** 30-06-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Faizan Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.474	6	0.743	0.44	0.433	12.74	18.25	63870	64900	91460	92940	1.10	8.0	13.8	
2	1.465	6	0.741	0.44	0.431	12.79	18.06	64130	65470	90540	92430	1.30	8.0	16.3	
3	1.018	5	0.617	0.31	0.299	9.19	12.71	65420	67820	90440	93760	1.00	8.0	12.5	
4	1.014	5	0.616	0.31	0.298	9.33	12.81	66360	69030	91160	94830	1.00	8.0	12.5	
5	0.648	4	0.492	0.20	0.190	5.61	7.80	61830	65080	85990	90520	1.10	8.0	13.8	
6	0.643	4	0.491	0.20	0.189	5.52	7.72	60930	64470	85100	90050	1.40	8.0	17.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr Ameen Firdous  
Civil Engineer & Tech. Prime Builders Lahore.

Test Performed By: Dr. /Engr. Irfan Ul Hasan

Client Reference: Nil

SOM Lab 590 (Page-1/1)

Dated: 29-06-2022

Dated: 30-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Prime Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.597	8	0.986	0.79	0.763	23.14	33.40	64600	66890	93260	96560	1.50	8.0	18.8	
2	2.595	8	0.986	0.79	0.763	22.94	32.93	64030	66300	91920	95170	1.40	8.0	17.5	
3	1.495	6	0.748	0.44	0.439	13.75	18.98	68930	69090	95140	95360	1.30	8.0	16.3	
4	1.535	6	0.758	0.44	0.451	14.07	19.13	70510	68790	95910	93570	1.40	8.0	17.5	
5	0.687	4	0.507	0.20	0.202	6.12	9.50	67450	66780	104770	103730	1.20	8.0	15.0	
6	0.663	4	0.498	0.20	0.195	6.09	9.14	67110	68830	100830	103420	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)